

Kentucky Power Company
KPSC Case No. 2022-00036
KIUC's Second Set of Data Requests
Dated June 8, 2022

DATA REQUEST

KIUC 2_1 Please refer to your response to KIUC 1-1 (a). For Mitchell 1 and 2, Rockport 1 and 2 and Big Sandy, please provide in Excel spreadsheet format with all formulas, columns and rows unprotected and visible the daily, six-day estimate of potential margins for each day of the FAC review period.

RESPONSE

Please see KPCO_R_KIUC_2_1_ConfidentialAttachment1 (zip folder) for the Company's system generated reports discussed in the Company's response to KIUC 1-1(a). These reports compare the prior day's market offer for individual generating units to the 6-day forecast of market prices and do not present a forecast of unit margins. These were not intended to forecast margins for the next six days. They are intended to provide insight into how the market would respond to applying the prior day's offer curve for the next market day.

Witness: Jason M. Stegall

Attachment is confidential in its entirety.

Kentucky Power Company
KPSC Case No. 2022-00036
KIUC's Second Set of Data Requests
Dated June 8, 2022

DATA REQUEST

KIUC 2_2 For Mitchell 1 and 2, Rockport 1 and 2 and Big Sandy, what is the Economic Min and Economic Max?

RESPONSE

Please see KPCO_R_KIUC_2_2_Attachment1 for the Economic Min and Economic Max for Mitchell 1 and 2, Rockport 1 and 2, and Big Sandy during the review period.

Witness: Jason M. Stegall

Unit	Capability	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Big Sandy 1	Economic Max	295.4	295.4	295.4	295.4	295.4	295.4
Big Sandy 1	Economic Min	60	60	60	60	60	60
Mitchell 1	Economic Max	770.1	770.1	770.1	770.1	770.1	770.1
Mitchell 1	Economic Min	270 ^A	270 ^A	370 ^{A,B}	370 ^{A,B}	370 ^{A,B}	370 ^{A,B}
Mitchell 2	Economic Max	790.2	790.2	790.2	790.2	790.2	790.2
Mitchell 2	Economic Min	410 ^A	410 ^A	410 ^A	410 ^A	300 ^{A,C}	300 ^{A,C}
Rockport 1	Economic Max	1320	1317.5	1317.5	1317.5	1320	1320
Rockport 1	Economic Min	500	500	500	500	500	500
Rockport 2	Economic Max	1300	1300	1300	1300	1300	1300
Rockport 2	Economic Min	500	500	500	500	500	500

^A Unit economic minimums are directly impacted by the use of the lime injection system used to control SO₂. When the injection system is connected to a unit, its economic minimum is lower than when it is not connected.

^B Unit had Lime Injection capability in both May 2021 and June 2021. Effective 07/01/21 forward: Unit no longer has Lime Injection capability. Economic Min increased to 370 MW (from 270 MW) to stay above the acid dew point temperature.

^C Unit did not have Lime Injection capability in May 2021 through August 2021. Effective 09/01/21 forward: Unit is now Lime Injection capable. Economic Min decreased to 300 MW (from 410 MW).

Kentucky Power Company
KPSC Case No. 2022-00036
KIUC's Second Set of Data Requests
Dated June 8, 2022

DATA REQUEST

KIUC 2_3 Please refer to your response to KIUC 1-7. The question asked for Kentucky Power's President to provide all documents regarding steps taken by Kentucky Power to meet AEP's corporate CO2 reduction goals. But the answer was provided by Scott E. Bishop. Please confirm that no such documents exist anywhere within Kentucky Power.

RESPONSE

Confirmed.

Witness: Scott E. Bishop

Kentucky Power Company
KPSC Case No. 2022-00036
KIUC's Second Set of Data Requests
Dated June 8, 2022

DATA REQUEST

KIUC 2_4 For Mitchell 1 and 2, Rockport 1 and 2 and Big Sandy 1, please provide the PJM plant operating status. For example, must run (self schedule), economic or other.

RESPONSE

Please see KPCO_R_KIUC_2_4_Attachment1 for the unit commitment status of Mitchell 1 and 2, Rockport 1 and 2 and Big Sandy 1 for each month of the review period.

Witness: Timothy C. Kerns

Kentucky Power Company
KPSC Case No. 2022-00036
KIUC's Second Set of Data Requests
Dated June 8, 2022

DATA REQUEST

KIUC 2_5 Please refer to your Response to Staff 1-15. Please provide the same forced, planned and maintenance outage information for Rockport 1 and 2 for each month of the review period.

RESPONSE

Please see KPCO_R_KIUC_2_5_Attachment1 for the requested information.

Witness: Douglas J. Rosenberger

Witness: Paul J. Massie

Kentucky Power Company
 Fuel Adjustment Case No. 2022-00036
 Generating Unit Outages
 May 1, 2021-October 31, 2021

Unit Name	Event Type *	Event Start	Event End	Event Description
Rockport 1	MO	7/18/21 2:50 AM	7/19/21 11:34 AM	Repair Boiler Ash Hopper door
Rockport 1	MO	7/30/21 3:14 AM	8/5/21 11:21 PM	Boiler i/r
Rockport 1	FO	8/19/21 5:30 AM	8/20/21 2:13 PM	11C Auxiliary Transformer Overall Differential Trip
Rockport 1	MO	8/21/21 12:00 AM	8/25/21 11:20 AM	Repair Ash Hopper Door #223, Boiler i/r, Boiler Duct Ash removal, Clean Circ. Water Pump Screens
Rockport 1	MO	8/30/21 5:52 AM	9/11/21 12:00 AM	Boiler i/r and duct ash removal; 13.8 Kv Transformer 11C i/r; Pulverizer repairs
Rockport 1	PO	9/11/21 12:00 AM	12/15/21 2:00 PM	General Boiler i/r
Rockport 2	MO	4/15/21 11:00 PM	6/1/21 4:00 PM	DSI Injection System piping upgrade, BOP i/r.
Rockport 2	MO	6/15/21 1:51 PM	6/23/21 7:21 PM	Boiler i/r, Ash Removal, Hydro & RSH/SSH Air Test and to install SCR Heaters.
Rockport 2	MO	9/7/21 4:41 AM	10/9/21 12:00 AM	Boiler I/R, boiler duct ash removal, deslag boiler, generator stator tank hydrogen leak repair, #10 pulverizer tempering air and fuel output damper repair, #4 clinker grinder repair, economizer ash hopper repairs.
Rockport 2	PO	10/9/21 12:00 AM	11/30/21 2:50 PM	General Boiler i/r

Event Type *

FO Forced Outage
 MO Maintenance Outage
 PO Planned Outage
 Note: i/r = inspection and repair

Kentucky Power Company
KPSC Case No. 2022-00036
KIUC's Second Set of Data Requests
Dated June 8, 2022

DATA REQUEST

KIUC 2_6 Please refer to your Response to Staff 1-17. Please provide the same capacity factor information for Rockport 1 and 2 for each month of the review period.

RESPONSE

Please see KPCO_R_KIUC_2_6_Attachment1 for the requested information.

Witness: Douglas J. Rosenberger

Witness: Paul J. Massie

Kentucky Power Company						
Fuel Adjustment Case No. 2022-00036						
Generating Unit Net Capacity Factor [%]						
May 1, 2021-October 31, 2021						
	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Rockport 1	47.70	62.92	37.70	26.72	0.00	0.00
Rockport 2	0.00	29.20	45.65	54.43	8.56	0.00

VERIFICATION

The undersigned, Scott E. Bishop, being duly sworn, deposes and says he is a Regulatory Consultant Sr. for Kentucky Power Company, that he has personal knowledge of the matters set forth in the foregoing responses, and the information contained therein is true and correct to the best of his information, knowledge, and belief after reasonable inquiry.

Scott E. Bishop

Scott E. Bishop

Commonwealth of Kentucky)

)

Case No. 2022-00036

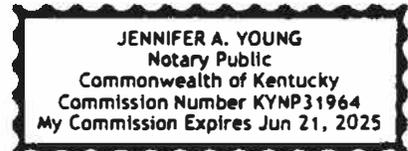
County of Boyd)

)

Subscribed and sworn before me, a Notary Public, by Scott E. Bishop this 16th day of June, 2022.

Notary Public

Jennifer A. Young



My Commission Expires 6/21/2025

Notary ID Number: KYNP31964

VERIFICATION

The undersigned, Scott E. Bishop, being duly sworn, deposes and says he is a Regulatory Consultant Sr. for Kentucky Power Company, that he has personal knowledge of the matters set forth in the foregoing responses, and the information contained therein is true and correct to the best of his information, knowledge, and belief after reasonable inquiry.

Scott E. Bishop

Scott E. Bishop

Commonwealth of Kentucky)

)

Case No. 2022-00036

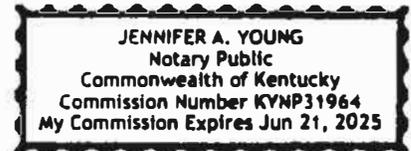
County of Boyd)

)

Subscribed and sworn before me, a Notary Public, by Scott E. Bishop this 16th day of June, 2022.

Notary Public

Jennifer A. Young



My Commission Expires 6/21/2025

Notary ID Number: KYNP31964



Kerns Verification form 2022-00036.doc

DocVerify ID: 09C8E79B-1D9B-4D29-8E09-B5BADE2BF6B8
 Created: June 13, 2022 06:21:02 -8:00
 Pages: 1
 Remote Notary: Yes / State: KY

This document is a DocVerify VeriVaulted protected version of the document named above. It was created by a notary or on the behalf of a notary, and it is also a DocVerify E-Sign document, which means this document was created for the purposes of Electronic Signatures and/or Electronic Notary. Tampered or altered documents can be easily verified and validated with the DocVerify veriCheck system. This remote online notarization involved the use of communication technology.

Go to www.docverify.com at any time to verify or validate the authenticity and integrity of this or any other DocVerify VeriVaulted document.

E-Signature Summary

E-Signature 1: Timothy C Kerns (TCK)

June 13, 2022 07:21:15 -8:00 [1AA698CC99F9] [167.239.20.24]
 tckerns@aep.com (Principal) (Personally Known)

E-Signature Notary: Jennifer Young (JAY)

June 13, 2022 07:21:15 -8:00 [0D0B0C68D500] [167.239.221.107]
 jayoung1@aep.com

I, Jennifer Young, did witness the participants named above electronically sign this document.





Massie Verification Case No 2022 00036 - DR responses.doc

DocVerify ID: 3F1D6CD1-434B-4ACB-914E-048FB44CE3BA
Created: June 13, 2022 06:18:09 -8:00
Pages: 1
Remote Notary: Yes / State: KY

This document is a DocVerify VeriVaulted protected version of the document named above. It was created by a notary or on the behalf of a notary, and it is also a DocVerify E-Sign document, which means this document was created for the purposes of Electronic Signatures and/or Electronic Notary. Tampered or altered documents can be easily verified and validated with the DocVerify veriCheck system. This remote online notarization involved the use of communication technology.

Go to www.docverify.com at any time to verify or validate the authenticity and integrity of this or any other DocVerify VeriVaulted document.

E-Signature Summary

E-Signature 1: Paul J. Massie (PJM)

June 13, 2022 07:03:35 -8:00 [C9B342AD469E] [167.239.221.106]
pjmassie@aep.com (Principal) (Personally Known)

E-Signature Notary: Jennifer Young (JAY)

June 13, 2022 07:03:35 -8:00 [F5E30D6A0B25] [167.239.221.107]
jayoung1@aep.com
I, Jennifer Young, did witness the participants named above electronically sign this document.





Rosenberger Verification Case No 2022 00036 - DR responses.doc

DocVerify ID: E74760C9-3E51-4396-AC1A-991B5CB32038
 Created: June 13, 2022 06:18:53 -8:00
 Pages: 1
 Remote Notary: Yes / State: KY

This document is a DocVerify VeriVaulted protected version of the document named above. It was created by a notary or on the behalf of a notary, and it is also a DocVerify E-Sign document, which means this document was created for the purposes of Electronic Signatures and/or Electronic Notary. Tampered or altered documents can be easily verified and validated with the DocVerify veriCheck system. This remote online notarization involved the use of communication technology.

Go to www.docverify.com at any time to verify or validate the authenticity and integrity of this or any other DocVerify VeriVaulted document.

E-Signature Summary

E-Signature 1: Douglas Rosenberger (DJR)

June 13, 2022 07:47:01 -8:00 [78B3E508D4DE] [167.239.221.107]
 djrosenberger@aep.com (Principal) (Personally Known)

E-Signature Notary: Jennifer Young (JAY)

June 13, 2022 07:47:01 -8:00 [2C003CFBFEF5] [167.239.221.107]
 jayoung1@aep.com

I, Jennifer Young, did witness the participants named above electronically sign this document.





Stegall Verification Case No 2022 00036 - DR Responses.doc

DocVerify ID: F0CB8099-269F-4B06-AB9F-3E1007CFC6F5
 Created: June 14, 2022 05:22:43 -8:00
 Pages: 1
 Remote Notary: Yes / State: KY

This document is a DocVerify VeriVaulted protected version of the document named above. It was created by a notary or on the behalf of a notary, and it is also a DocVerify E-Sign document, which means this document was created for the purposes of Electronic Signatures and/or Electronic Notary. Tampered or altered documents can be easily verified and validated with the DocVerify veriCheck system. This remote online notarization involved the use of communication technology.

Go to www.docverify.com at any time to verify or validate the authenticity and integrity of this or any other DocVerify VeriVaulted document.

E-Signature Summary

E-Signature 1: Jason Stegall (JMS)

June 14, 2022 07:06:15 -8:00 [62E0418E514B] [167.239.221.107]
 jmstegall@aep.com (Principal) (Personally Known)

E-Signature Notary: Jennifer Young (JAY)

June 14, 2022 07:06:15 -8:00 [16B943B57295] [167.239.221.102]
 jayoung1@aep.com
 I, Jennifer Young, did witness the participants named above electronically sign this document.



